

Product Description

ecotio₂[®] Sealer E10 is a non-hazardous, inorganic porosity sealer providing concrete protection from atmospheric carbonation and water ingress.

Intended Uses

It is specifically designed for use on high end commercial and residential, transportation infrastructure and iconic assets where superior appearance and reduced maintenance costs are important. Suitable substrates include off-form concrete, brickwork, masonry and ECOTONE coated surfaces.

Used as the first coating of a 2-part coating system imparting multiple benefits including self-cleaning, air purifying, deodorising, anti-fungal and anti-bacterial, UV protection and anti-carbonation. When used as part of a system, the ecotio₂[®] coated surface is photo oxidising when exposed to daylight, so will neutralise organic pollutants, soot, oils and smog that collide or deposit on this coated surface. Organic growths such as mould and black algae streaking will be inhibited.

Practical Information

Product Code	S026E10
Colour	Milky white liquid (almost clear when dry)
Gloss	Minimal change in gloss level
Theoretical Coverage	70-100 g/m ² (allow appropriate loss factors)
Method of Application	HVLP spray equipment (recommended) [#]
Density	1.04 kg/m ³

Drying Time		Overcoating interval with self	
Temperature	Touch Dry	Minimum	Maximum
20°C (68°F)	10 mins	20 mins**	2 days

[#]Practical coverage will vary as loss factors are dependent on many influences including weather conditions, porosity of substrate, application method and parameters, skill of applicator etc. ^{**}See application guide.

Regulatory Data

Flash Point (Typical)	Not applicable
VOC	<1 g/l

Surface Preparation

Rub surface with a masonry block or scrape with a 15-20cm floor scraper to remove any mortar fins or protrusions.

Remove loose foreign matter from block by brooming with stiff bristle broom or low-pressure power washing.

Prior to application ensure surface is dry and free from all contaminants including, but not limited to:

- loose materials (such as dirt, dust etc), oils, grease, silicones, chemicals including acids and alkalis, rust and rust staining, cement slurry runs, mineral salts (such as lime), mould, fungus, and bird droppings.

If substrate requires removal of contaminants, then a suitable surface cleaner should be used such as ECOTONE Concrete Surface Cleaner or similar.

Application

Spray Equipment

Electric HVLP spray equipment with fine tip preferred for minimising loss factors. Tip size between 0.5mm to 0.8mm as viscosity of products is that of water. Airless spray equipment can be used for faster application however loss factors will generally be higher. Care should be taken not to apply a too heavy coat in a single pass to stop runs and overbuild. Avoid spraying in high wind or on rain effected wet surfaces or when rain is expected within 4 hours.

Work Stoppages

Do not allow material to remain in hoses or spray equipment for extended periods. Thoroughly flush all equipment with clean water.

Clean Up

Clean all equipment immediately after use with clean water. Use clean water only. It is good working practice to periodically flush out spray equipment. All surplus materials and empty containers should be disposed of in accordance with appropriate regional regulations/legislation.

Product Characteristics

This technical datasheet provides general guidance on the use of ecotio₂[®] Sealer E10. Specific project requirements will be dependent upon the substrate type, substrate condition, service end use and environmental conditions. Always consult Photocatalyst Coatings to confirm that ecotio₂[®] Sealer E10 is suitable for the intended end use.

Storage

Products should be stored in their sealed containers until use. When products are on site store in a cool place and in the shade. Store excess products in an air-conditioned environment regulated between 5-25°C. Do not return excess products to container, measure out what you require and dispense only what is required for the job at hand. Do not freeze or refrigerate below 5°C.

Systems Compatibility

Suitable topcoats:

- ecotio₂[®] Premium E

Please refer to specific TDS for more information of the above products or contact Photocatalyst Coatings for more information.

Safety Precautions

This product is intended for use only by professional applicators in industrial situations in accordance with the advice given on this sheet, the Safety Data Sheet and the container(s) and should not be used without reference to the Safety Data Sheet (SDS) which are available from our website on the Internet (www.photocatalystcoatings.com) or on request. Ensure you contact Photocatalyst Coatings if you require any information before starting application.

Additional Information

Shelf Life: 12 months when stored in dark or low light conditions between 5-25°C (ideally this product should be stored in an air-conditioned environment).

Pack Size: 10 kg pack

Shipping Weight (typical): 11.25kg

Further information regarding industry standards, terms and abbreviations used in this data sheet can be found in the following documents available at www.ecotio2.com:

- ecotio₂[®] Sealer E10 Safety Data Sheet
- Application Guidelines - For Buildings

The information on this data sheet is not exhaustive, please contact us for more information. All products supplied and technical advice given are subject to our Conditions of Sale. You should request a copy of this document and review it carefully. The information contained in this data sheet is liable to modification from time to time in the light of experience and our policy of continuous improvement. It is the user's responsibility to check that this data sheet is current prior to using the product. ecotio₂[®] and all products mentioned in this publication are registered trademarks.